+357 96 030922
info@marketpublishers.com

Global Hollow-Core Fiber Links for AI Data Centers Market Growth (Status and Outlook) 2026-2032

https://marketpublishers.com/r/G920AE1EA955EN.html
Date: July 2026
Pages: 109
Price: US$ 3,660.00 (Single User License)
ID: G920AE1EA955EN

Abstracts

The global Hollow-Core Fiber Links for AI Data Centers market size is predicted to grow from US$ 259 million in 2025 to US$ 1169 million in 2032; it is expected to grow at a CAGR of 22.7% from 2026 to 2032.

Hollow-core fiber (HCF) link solutions for AI data centers consist of cables and interconnects designed to link AI training clusters across server rooms, campuses, and metropolitan areas. By utilizing air-core propagation to reduce latency, nonlinear effects, and dispersion, these solutions support applications such as low-latency distributed training, financial trading, and quantum communication. The upstream sector comprises high-purity quartz preforms, coating materials, fiber-drawing equipment, and connectivity components, while the downstream market includes cloud providers, network operators, data center campuses, and low-latency network service providers. The industry's gross profit margin ranges from approximately 25% to 40%.

United States market for Hollow-Core Fiber Links for AI Data Centers is estimated to increase from US$ million in 2025 to US$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Hollow-Core Fiber Links for AI Data Centers is estimated to increase from US$ million in 2025 to US$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Hollow-Core Fiber Links for AI Data Centers is estimated to increase from US$ million in 2025 to US$ million by 2032, at a CAGR of % from 2026 through 2032.

+357 96 030922
info@marketpublishers.com

Global key Hollow-Core Fiber Links for AI Data Centers players cover Microsoft Lumenisity (US), Lightera (US), Furukawa Solutions?JP?, Nokia (FI), Prysmian Group (IT), etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LPI (LP Information)' newest research report, the ?Hollow-Core Fiber Links for AI Data Centers Industry Forecast? looks at past sales and reviews total world Hollow-Core Fiber Links for AI Data Centers sales in 2025, providing a comprehensive analysis by region and market sector of projected Hollow-Core Fiber Links for AI Data Centers sales for 2026 through 2032. With Hollow-Core Fiber Links for AI Data Centers sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US$ millions of the world Hollow-Core Fiber Links for AI Data Centers industry.

This Insight Report provides a comprehensive analysis of the global Hollow-Core Fiber Links for AI Data Centers landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyses the strategies of leading global companies with a focus on Hollow-Core Fiber Links for AI Data Centers portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms? unique position in an accelerating global Hollow-Core Fiber Links for AI Data Centers market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Hollow-Core Fiber Links for AI Data Centers and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Hollow-Core Fiber Links for AI Data Centers.

This report presents a comprehensive overview, market shares, and growth opportunities of Hollow-Core Fiber Links for AI Data Centers market by product type, application, key players and key regions and countries.

Segmentation by Type:

Scale-Up

Scale-Out

+357 96 030922
info@marketpublishers.com

Segmentation by Product Category:

- Nested Anti-Resonant HCF
- Photonic Bandgap HCF
- Conjoined-Tube HCF

Segmentation by Network Architecture:

- Campus Link
- Metro Link
- Quantum/Sensing Link

Segmentation by Application:

- AI Scale-Across Interconnect
- Cloud Inter-DC Network
- Low-Latency Financial Network
- Quantum Communication
- Others

This report also splits the market by region:

- Americas
  - United States

+357 96 030922
info@marketpublishers.com

- Canada
- Mexico
- Brazil

APAC

- China
- Japan
- Korea
- Southeast Asia
- India
- Australia

Europe

- Germany
- France
- UK
- Italy
- Russia

Middle East & Africa

- Egypt
- South Africa
- Israel

+357 96 030922
info@marketpublishers.com

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

Microsoft Lumenisity (US)

Lightera (US)

Furukawa Solutions?JP?

Nokia (FI)

Prysmian Group (IT)

Corning (US)

Fujikura (JP)

Sumitomo Electric (JP)

NKT Photonics (DK)

YOFC (CN)

Hengtong Optic-Electric (CN)

FiberHome (CN)

Sterlite Technologies (IN)

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

3 HOLLOW-CORE FIBER LINKS FOR AI DATA CENTERS MARKET SIZE BY PLAYER

4 HOLLOW-CORE FIBER LINKS FOR AI DATA CENTERS BY REGION

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

11 KEY PLAYERS ANALYSIS

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

List Of Figures

LIST OF FIGURES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Global Hollow-Core Fiber Links for AI Data Centers Market Growth (Status and Outlook) 2026-2032

Product link: https://marketpublishers.com/r/G920AE1EA955EN.html

Price: US$ 3,660.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/G920AE1EA955EN.html